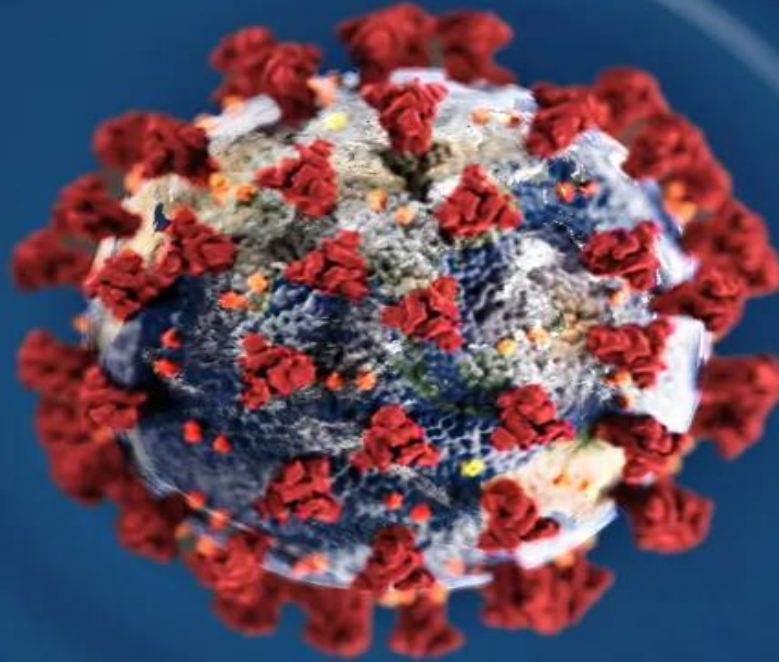


COVID-19



Challenges and Response

The Veterinary Pharmaceutical and Biologics Sector

Dr. Catherine Filejski
Canadian Animal Health
Institute



COVID-19 Challenges

The COVID-19 pandemic impacts the veterinary and animal health sector by:

- directly affecting production of veterinary drugs, vaccines, health products, and other veterinary supplies
- creating supply chain and market disruption
- financial impact on veterinarians, producers, and the companies that supply them, as well as animal owners

The Veterinary Drug and Vaccine Supply Chain in Canada

Drug Approvals

Manufacturing

Distribution

Front Line
Delivery

Companies / Manufacturers
 Research and clinical trials
 Submissions for approvals

Federal Regulators (Health Canada and Canadian Food Inspection Agency)
 Review submissions
 Issue market authorizations

Raw Material Supply

- Active Pharmaceutical Ingredients
- Non-pharmaceutical components
- Labelling

Manufacturers

- Store raw materials
- Manufacture drugs & vaccines (testing, labelling, packaging, quality control)
- Store and release finished products

Federal Regulators
 Review & issue (Drug) Establishment Licences
 Conduct inspections for Good Manufacturing Practices

Compounding Pharmacies
 Compounding
 Warehousing, delivery and shipping of product

Distributors & Veterinary Buying Groups
 Warehousing, delivery and shipping of product

Commercial Feed Mills
 DIN Drug Premixes
 Storage, handling and distribution

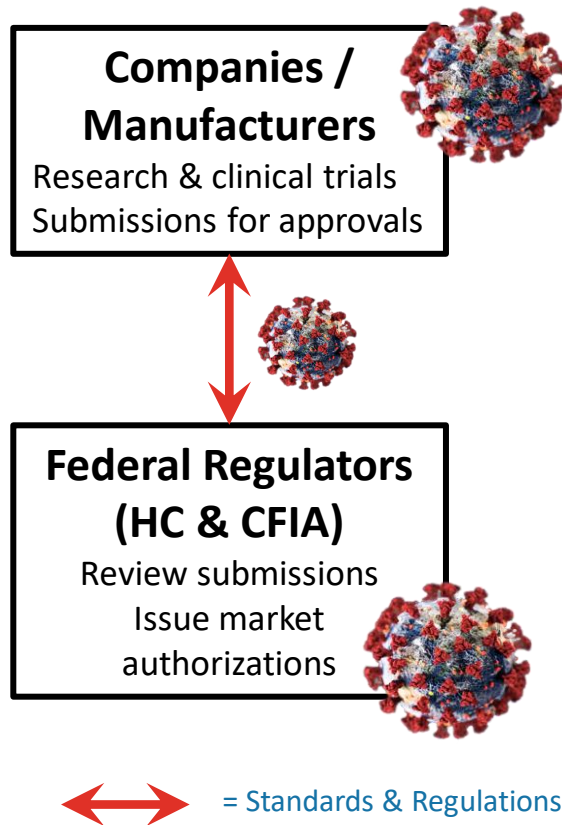
Veterinarians
 Prescribe
 Dispense
 Administer to animals
 Counsel animal owners

Animal Owners
 End users
 Administer to animals

Livestock/Poultry Producers
 End users
 Administer to animals

↔ = Standards & Regulations
 → = Product flow

Drug Approvals



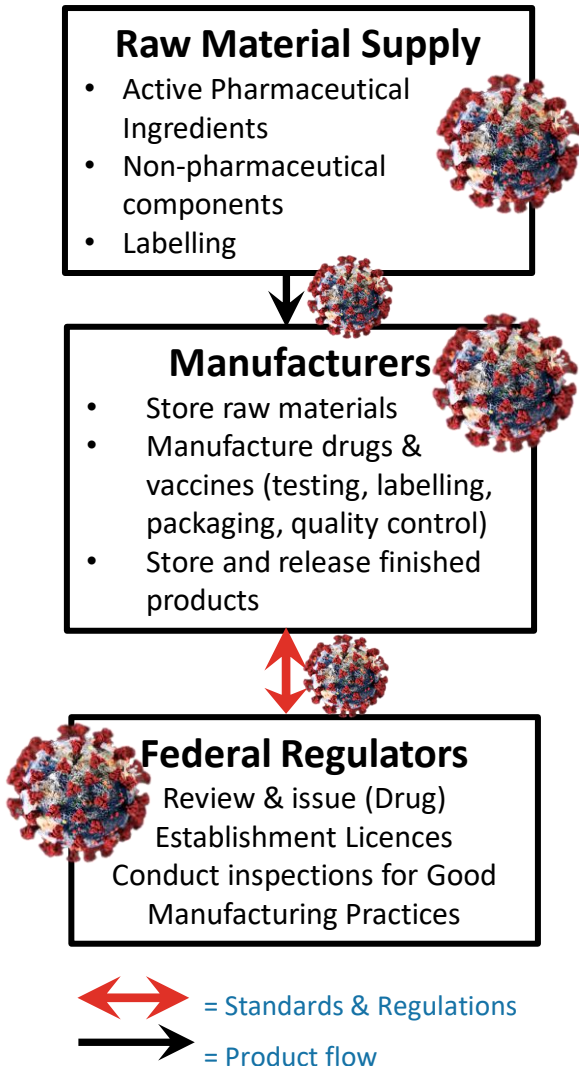
CAHI COVID-19 Initiatives:

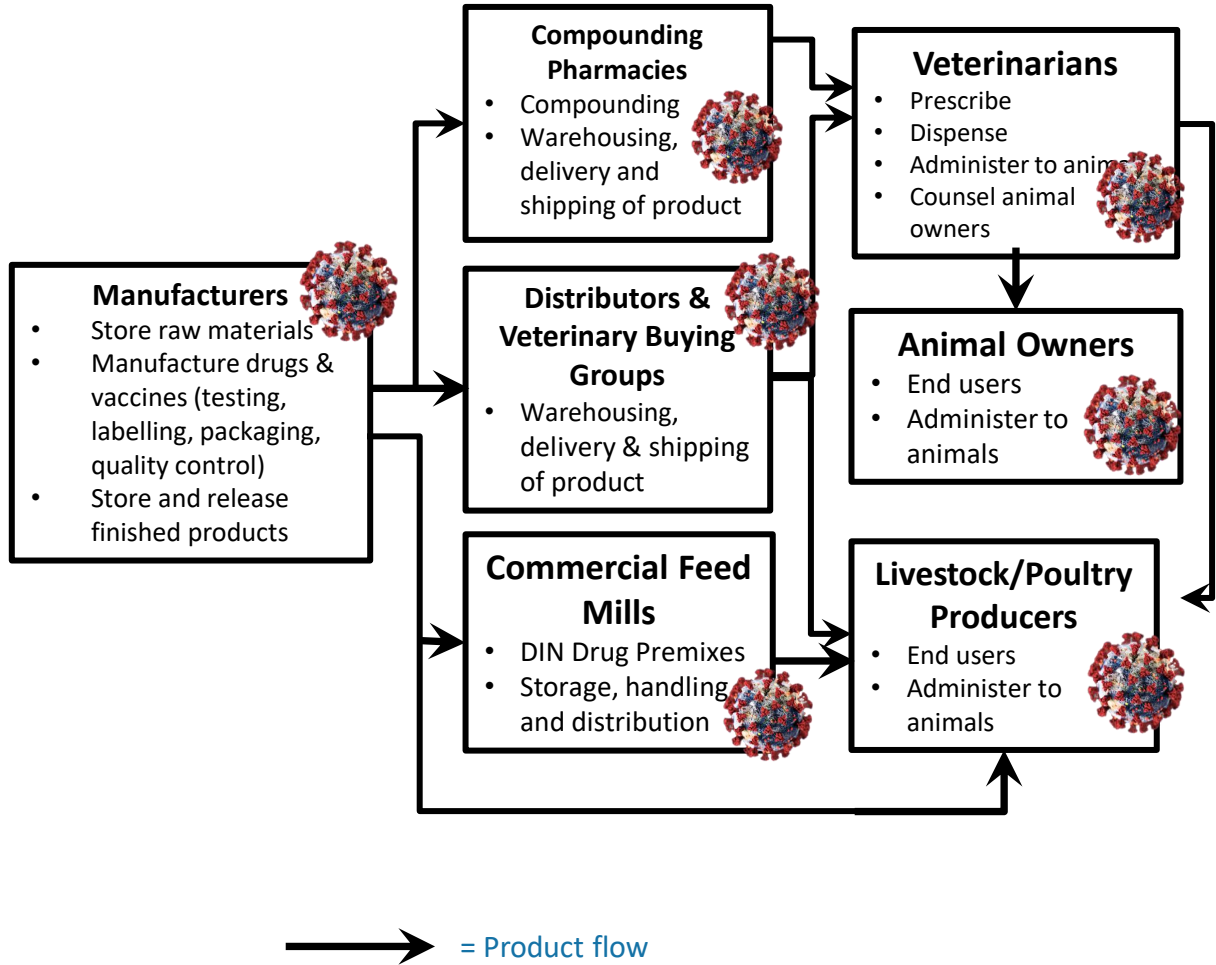
- Working with our federal regulators to ensure that remote work arrangements do not disrupt the approvals process
- Collaborating with regulators to identify alternative options for drug submissions
- Veterinary Drugs Directorate (HC) and Canadian Centre for Veterinary Biologics (CFIA) are working hard to maintain on-time reviews of all submission types, including regular drug reviews, and doing so in collaboration with partners and other jurisdictions (US, Australia, New Zealand, etc.)

Manufacturing

CAHI COVID-19 Initiatives:

- Working with our member companies to identify anticipated shortages caused by COVID-19 control measures, especially internationally, and flag these anticipated shortages to regulators so mitigation measures can be explored
 - VDD (HC) will continue to work with companies when it has Emergency Drug Release requests
 - Regulatory Operations and Enforcement Branch has delayed foreign and domestic inspections
 - Minister of Health's Interim Order to bypass registration and establishment licence/testing requirements for a special group of drugs to allow importation
- Collaborating with ROEB on identifying flexibilities that regulators could provide that would see product flowing more easily and getting to end users more quickly without risking health and safety

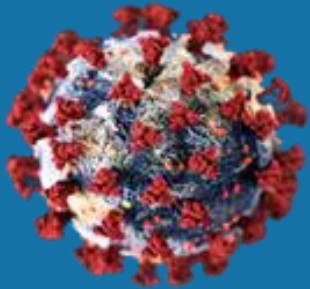




CAHI COVID-19 Initiatives:

- Bringing organizations and stakeholders within the animal industry together to ensure our response to Covid-19 is coordinated and effective
- Sharing information and resources
- Pivoting some CAHI Annual Convention content towards Covid-19 and exploring virtual delivery options to reach a broader audience

COVID-19 Initiatives



- Working to ensure that veterinarians, producers and pet owners across Canada continue to have access to the pharmaceuticals and vaccines they need to keep our animals healthy
- Constant communication with our federal and provincial governments and federal regulatory agencies to discuss and resolve issues related to impacts of COVID-19
- Bringing organizations and stakeholders within the animal industry together to ensure our response to Covid-19 is coordinated and effective
- Sharing Covid-19 information and resources
- Pivoting some of our CAHI Annual Convention content towards Covid-19 and exploring virtual delivery options to reach a broader audience

For more information visit

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